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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/994,929	11/28/2001	Shinji Yoshida	040894-5745	7277

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MORGAN LEWIS & BOCKIUS LLP
1111 PENNSYLVANIA AVENUE NW
WASHINGTON, DC 20004

EXAMINER

CHEN, SHIN HON

ART UNIT PAPER NUMBER

2131

DATE MAILED: 03/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/994,929

Applicant(s)

YOSHIDA, SHINJI

Examiner

Shin-Hon Chen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/28/2001</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-10 have been examined.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claims 3, 4, 9, and 10 are rejected under 35 U.S.C. 101 because the claimed invention is not supported by either a specific and substantial asserted utility or a well established utility.

The claims describes hardware device without describing the elements that are responsible for the claimed invention.

Claim 3, 4, 9, and 10 are also rejected under 35 U.S.C. 112, first paragraph. Specifically, since the claimed invention is not supported by either a specific and substantial asserted utility or a well established utility for the reasons set forth above, one skilled in the art clearly would not know how to use the claimed invention.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claim 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over “5C Digital Transmission Content Protection White Paper” (hereinafter DTCP) in view of Ueki U.S. Pat. No. 6678236 (hereinafter Ueki).

6. As per claim 1 and 2, DTCP discloses a data reproducing device for reproducing data recorded in a data storing disk, said data reproducing device comprising: a copy protection unit adapted, when an encrypted data over the data storage region of said data storing disk is copied in response to a demand of an external device, to perform an authentication with reference to the copy protection information read by said pickup unit thereby to output the information, as contained in the copy protection information and relating to a secret key, to the external device which is recognized to be correct through the authentication (DTCP: page 1: the 1394 content protection architecture and the DTCP architecture). DTCP does not explicitly disclose a pickup unit for reading a copy protection information which is written in advance as a surface shape such as slits or corrugations in a region over a substrate of said data storing disk other than a data storage region. However, Ueki discloses the Content Scrambling System method of content protection which keys required to decrypt the encrypted data are stored on the lead-in area of the disc, which can only read by compliant devices (Ueki: column 1 lines 20-63; column 8 line 62 – column 9 line 5; and abstract: the copyright protection information and CSS key information are stored in the pre-pits area of the lead-in area). It would have been obvious to one having ordinary skill in the art to store the secret information into the lead-in area of a disk so that only compliant devices that have the license can reproduce the protected data because different content protection architectures proposed by “5C” group can be combined to achieve greater copy

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protection. Therefore, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to combine the teachings of Ueki within DTCP because lead-in area of the disk is difficult to access.

7. As per claim 3 and 4, claims 3 and 4 encompass the same scope as claims 1 and 2.

Therefore, claim 3 and 4 are rejected based on the reason set forth in claim 1.

8. Claim 5-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ueki.

9. As per claim 5 and 6, Ueki discloses a data reproducing device for reproducing data recorded in a data storing disk, comprising: a digital recording/reproducing device for reading a program which is optically recorded in advance in the region over a substrate of a data storing disk other than a data storage region (Ueki: column 1 lines 20-63; column 8 line 62 – column 9 line 5; and abstract: the copyright protection information and CSS key information are stored in the pre-pits area of the lead-in area); and a reproduce control unit for reproducing the program recorded in the region, through the optical head at the time of reproducing the data from the region over the substrate of said data storing disk other than the data storage region, and for recording a program or data in the region through said optical head at a data recording time (Ueki: column 1 lines 20-63; column 8 line 62 – column 9 line 5; and abstract: the copyright protection information and CSS key information are stored in the pre-pits area of the lead-in area). Ueki discloses the Content Scrambling System method of content protection which keys required to decrypt the encrypted data are stored on the lead-in area of the disc, which can only

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read by compliant devices and the recording/reproducing device will retrieve the CSS key/content protection information to decrypt the encrypted data. Ueki discloses the content protection method for DVD. However, it would have been obvious to one having ordinary skill in the art to apply the content protection architecture on analog data because digital and analog are interchangeable in modern days and the Digital Transmission Content Protection architecture has been applied to analog device. Therefore, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to apply the CSS architecture to analog media.

10. As per claim 7-10, claims 7-10 encompass the same scope as claims 5 and 6. Therefore, claims 7-10 are rejected based on the same reasons set forth in claims 5 and 6.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Mangold et al. U.S. Pat. No. 6668324 discloses system and method for safeguarding data within a device, which the contents are protected by CSS encryption and DTCP (column 1 lines 12-48).

PCTechguide, "Content Protection" discloses the major content protection technologies that are developed by the so-called "4C" group.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shin-Hon Chen whose telephone number is (571) 272-3789. The examiner can normally be reached on Monday through Friday 8:30am to 5:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shin-Hon Chen
Examiner
Art Unit 2131

SC



ALBERT DECADY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100